

## **Practical Assignment – 2**

1. Write a Dart Program to read any five no's and print the average value.
2. Write a Dart Program to find out all no's divisible by 5 and 7 between 1 to 100.
3. Write a Dart Program to find the sum of digits of a given no.  
E.g.  $123 = 1 + 2 + 3 = 6$
4. Write a Dart Program to find out the total no's of odd digits within the given no and prints the no of all odd digits.  
E.g.:  $1215 \Rightarrow$  Total Odd digits = 3 Sum of Odd digits =  $1 + 1 + 5 = 7$
5. Write a Dart Program to reverse a given number. E.g.  $123 \Rightarrow 321$
6. Write a Dart Program to find out the sum of first and last digit of a given no.  
E.g.:  $12456 \Rightarrow$  Sum of first and Last digit =  $1 + 6 = 7$
7. Write a Dart Program to find out the largest digit of a given no.  
E.g.:  $123456 \Rightarrow$  largest digit is 6
8. Write a Dart Program to find out Armstrong no's between 1 to 1000.  
E.g.  $\Rightarrow 153 \Rightarrow 1^3 + 5^3 + 3^3 = 153$
9. Write a Dart Program to check whether a given no is prime or not.  
E.g.  $\Rightarrow 7 \Rightarrow$  is a prime no
10. Write a Dart Program to calculate sum from 1 to N.

11. W.A.P to display the following patterns for size n:

<pre> * * * * * * * * * * </pre>	<pre> 1 1 2 1 2 3 1 2 3 4 </pre>	<pre>           *         * *       * * *     * * * * </pre>	<pre>                         1                       1 2                     1 2 3                   1 2 3 4 </pre>
<pre> 4 3 2 1   3 2 1     2 1       1 </pre>	<pre> 1 2 3 4 1 2 3 1 2 1 </pre>	<pre>           1         2 1       3 2 1     4 3 2 1 </pre>	<pre>           1         2 2       3 3 3     4 4 4 4 </pre>
<pre>     4    3 3   2 2 2  1 1 1 1 </pre>	<pre>       A      A B     A B C    A B C D </pre>	<pre> * * * * * * * * * * </pre>	<pre>       A      A C E     A C E G I    A C E   A </pre>
<pre>       *      * *     * * *    * * * *   * * * *  * * * * </pre>	<pre> * * * * *   * *   * * * * * </pre>		